

CLAIMS

What is claimed is:

- 1 1. A computer-implemented method comprising:
2 defining a virtual interface to provide an interface for a Web service implementation;
3 creating a Web service definition to specify a behavior of the defined virtual
4 interface; and
5 providing a Web service archive including the virtual interface and the Web service
6 definition.
- 1 2. The method of claim 1, wherein defining the virtual interface comprises:
2 indicating an operation of the Web service implementation to be exposed by the
3 virtual interface.
- 1 3. The method of claim 2, wherein defining the virtual interface comprises:
2 providing a name for the operation to be exposed by the virtual interface.
- 1 4. The method of claim 2, wherein the operation includes a parameter to provide a value
2 for the operation and; wherein defining the virtual interface comprises:
3 altering a characteristic of the parameter.
- 1 5. The method of claim 4, wherein altering the characteristic of the parameter includes
2 at least one of:
3 providing a name for the parameter;
4 specifying a data type for the parameter; and
5 providing a default value for the parameter.

1 6. The method of claim 1, further comprising:
2 defining a second virtual interface to provide a second interface for the Web service
3 implementation.

1 7. The method of claim 1, wherein creating the Web service definition to specify a
2 behavior of the defined virtual interface comprises:
3 providing a name for the Web service definition.

1 8. The method of claim 7, wherein creating the Web service definition to specify a
2 behavior of the defined virtual interface comprises:
3 specifying an authentication level for the Web service definition.

1 9. The method of claim 7, wherein creating the Web service definition to specify a
2 behavior of the defined virtual interface comprises:
3 specifying a transport guarantee type for the Web service definition.

1 10. The method of claim 7, wherein creating the Web service definition to specify a
2 behavior of the defined virtual interface comprises:
3 indicating an authorization level for the Web service definition.

1 11. The method of claim 1, further comprising:
2 creating a Web service deployment descriptor to describe a configuration of the Web
3 service definition.

1 12. The method of claim 11, wherein providing the Web service archive comprises:
2 providing a Web service archive including the virtual interface, the Web service
3 definition, and the Web service deployment descriptor.

1 13. The method of claim 11, wherein creating the Web service deployment descriptor to
2 describe a configuration of the Web service comprises:
3 specifying a name for the configuration of the Web service definition described, at
4 least in part, by the Web service deployment descriptor.

1 14. The method of claim 11, wherein creating the Web service deployment descriptor
2 comprises:
3 specifying a transport binding for the configuration of the Web service.

1 15. The method of claim 11, wherein creating the Web service deployment descriptor
2 comprises:
3 specifying an authentication protocol implementation for the configuration of the
4 Web service.

1 16. The method of claim 11, wherein creating the Web service deployment descriptor
2 comprises:
3 providing an address for the configuration of the Web service.

1 17. An application server comprising:
2 a network interface to connect to a node; and
3 a processor and logic executable thereon to
4 define a virtual interface to provide an interface of a Web service
5 implementation;
6 create a Web service definition to specify a behavior of the defined virtual
7 interface; and

8 provide a Web service archive including the virtual interface and the Web
9 service definition to the node with the network interface.

1 18. The application server of claim 17, wherein the processor and logic executable
2 thereon to define the virtual interface comprises:

3 a processor and logic executable thereon to indicate an operation of the Web service
4 implementation to be exposed by the virtual interface.

1 19. The application server of claim 18, wherein the processor and logic executable
2 thereon to define the virtual interface comprises:

3 a processor and logic executable thereon to provide a name for the operation to be
4 exposed by the virtual interface.

1 20. The application server of claim 17, wherein the processor and logic executable
2 thereon further comprises:

3 a processor and logic executable thereon to define a second virtual interface to
4 provide a second interface for the Web service implementation.

1 21. The application server of claim 17, wherein the processor and logic executable
2 thereon to create the Web service definition comprises:

3 a processor and logic executable thereon to provide a name for the Web service
4 definition.

1 22. The application server of claim 21, wherein the processor and logic executable
2 thereon to create the Web service definition comprises:

3 a processor and logic executable thereon to specify an authentication level for the
4 Web service definition.

1 23. The application server of claim 21, wherein the processor and logic executable
2 thereon to create the Web service definition comprises:
3 a processor and logic executable thereon to specify a transport guarantee type for the
4 Web service definition.

1 24. The application server of claim 17, wherein the processor and logic executable
2 thereon further comprises:
3 a processor and logic executable thereon to create a Web service deployment
4 descriptor to describe a configuration of the Web service definition.

1 25. The application server of claim 24, wherein the processor and logic executable
2 thereon to create the Web service deployment descriptor comprises:
3 a processor and logic executable thereon to specify a name for the configuration of
4 the Web service definition.

1 26. The application server of claim 25, wherein the processor and logic executable
2 thereon to create the Web service deployment descriptor comprises:
3 a processor and logic executable thereon to specify a transport binding for the
4 configuration of the Web service definition.

1 27. The application server of claim 25, wherein the processor and logic executable
2 thereon to create the Web service deployment descriptor comprises:
3 a processor and logic executable thereon to specify an authentication protocol
4 implementation for the configuration of the Web service definition.

1 28. A system comprising:

2 a means for defining a virtual interface to provide an interface for a Web service
3 implementation;
4 a means for creating a Web service definition to specify a behavior of the defined
5 virtual interface; and
6 a means for providing a Web service archive including the virtual interface and the
7 Web service definition.

1 29. The system of claim 28, wherein the means for defining a virtual interface comprises:
2 a means for indicating an operation of the Web service implementation to be exposed
3 by the virtual interface.

1 30. The system of claim 28, wherein the means for creating a Web service definition
2 comprises:
3 a means for specifying an authentication level for the Web service definition.

1 31. The system of claim 28, further comprising:
2 a means for creating a Web service deployment descriptor to describe a configuration
3 of the Web service definition.

1 32. The system of claim 31, wherein the means for creating the Web service deployment
2 descriptor to describe the configuration of the Web service definition comprises:
3 a means for specifying a transport binding for the configuration of the Web service.

1 33. An article of manufacture comprising:
2 an electronically accessible medium providing instructions that, when executed by an
3 apparatus, cause the apparatus to
4 define a virtual interface to provide an interface for a Web service implementation;

5 create a Web service definition to specify a behavior of the defined virtual interface;
6 and
7 provide a Web service archive including the virtual interface and the Web service
8 definition.

1 34. The article of manufacture of claim 33, wherein the instructions that, when executed
2 by the apparatus, cause the apparatus to define the virtual interface include instructions that
3 the cause the apparatus to
4 indicate an operation of the Web service implementation to be exposed by the virtual
5 interface.

1 35. The article of manufacture of claim 33, wherein the instructions that, when executed
2 by the apparatus, cause the apparatus to create the Web service definition include instructions
3 that the cause the apparatus to
4 specify an authentication level of the Web service definition.

1 36. The article of manufacture of claim 33, wherein the electronically accessible medium
2 providing instructions that, when executed by an apparatus, further cause the apparatus to
3 create a Web service deployment descriptor to describe a configuration of the Web
4 service definition.

1 37. The article of manufacture of claim 37, wherein the instructions that, when executed
2 by the apparatus, cause the apparatus to create the Web service deployment descriptor
3 include instructions that the cause the apparatus to
4 specify a transport binding for the Web service definition.